

Title (en)  
Ink jet pigment ink and ink set

Title (de)  
Tintenstrahlpigmenttinte und Tintensatz

Title (fr)  
Encre à pigments pour jet d'encre et jeu d'encre

Publication  
**EP 1985673 A3 20090923 (EN)**

Application  
**EP 08155020 A 20080423**

Priority  
JP 2007114678 A 20070424

Abstract (en)  
[origin: EP1985673A2] An ink jet pigment ink containing water, a pigment, a water-soluble organic solvent and a graft copolymer, wherein the graft copolymer has a hydrophilic segment and a hydrophobic segment, the hydrophobic segment is being obtained by copolymerizing an anionic monomer and an aromatic monomer represented by the following formula (1), and the hydrophilic segment is being obtained by polymerizing an anionic monomer wherein Ar is an aromatic ring selected from a benzene ring, a condensed benzene ring and a hetero-aromatic ring, or a derivative thereof, R is H or CH<sub>3</sub>, and X is O or NH.

IPC 8 full level  
**B41J 2/01** (2006.01); **B41M 5/00** (2006.01); **C09D 11/00** (2014.01); **C09D 11/54** (2014.01)

CPC (source: EP KR US)  
**C09D 11/30** (2013.01 - KR); **C09D 11/322** (2013.01 - KR); **C09D 11/38** (2013.01 - KR); **C09D 11/40** (2013.01 - EP KR US);  
**C09D 11/54** (2013.01 - EP US)

Citation (search report)

- [X] EP 0826751 A2 19980304 - DU PONT [US]
- [Y] EP 1522562 A1 20050413 - CANON KK [JP]
- [Y] EP 1445291 A2 20040811 - CANON KK [JP]
- [A] DATABASE WPI Week 199419, Derwent World Patents Index; AN 1994-156819, XP002541048

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 1985673 A2 20081029; EP 1985673 A3 20090923; EP 1985673 B1 20121128**; CN 101294015 A 20081029; CN 101294015 B 20120523;  
JP 2008291239 A 20081204; KR 20080095783 A 20081029; TW 200909531 A 20090301; TW I424030 B 20140121;  
US 2008269407 A1 20081030; US 7973097 B2 20110705

DOCDB simple family (application)  
**EP 08155020 A 20080423**; CN 200810093552 A 20080424; JP 2008112999 A 20080423; KR 20080037605 A 20080423;  
TW 97114864 A 20080423; US 10672708 A 20080421